
Subject: [RFC][PATCH 8/9] cgroups: block: cfq: I/O bandwidth controlling subsystem for CGroups based on CFQ

Posted by [Vasily Tarasov](#) on Fri, 15 Feb 2008 06:59:55 GMT

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Configurable cgroup time slice support.

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--- linux-2.6.25-rc5-mm1/block/cfq-iosched.c.slice 2008-02-15 01:11:45.000000000 -0500

+++ linux-2.6.25-rc5-mm1/block/cfq-iosched.c 2008-02-15 01:12:22.000000000 -0500

```
@@ -2150,6 +2150,7 @@ SHOW_FUNCTION(cfq_slice_idle_show, cfqd-  
    SHOW_FUNCTION(cfq_slice_sync_show, cfqd->cfq_slice[1], 1);  
    SHOW_FUNCTION(cfq_slice_async_show, cfqd->cfq_slice[0], 1);  
    SHOW_FUNCTION(cfq_slice_async_rq_show, cfqd->cfq_slice_async_rq, 0);  
+SHOW_FUNCTION(cfq_cgrp_slice_show, cfqd->cfqio_cgrp_slice, 1);  
#undef SHOW_FUNCTION
```

```
#define STORE_FUNCTION(__FUNC, __PTR, MIN, MAX, __CONV) \  
@@ -2181,6 +2182,7 @@ STORE_FUNCTION(cfq_slice_sync_store, &cf  
    STORE_FUNCTION(cfq_slice_async_store, &cfqd->cfq_slice[0], 1, UINT_MAX, 1);  
    STORE_FUNCTION(cfq_slice_async_rq_store, &cfqd->cfq_slice_async_rq, 1,  
        UINT_MAX, 0);  
+STORE_FUNCTION(cfq_cgrp_slice_store, &cfqd->cfqio_cgrp_slice, 1, UINT_MAX, 1);  
#undef STORE_FUNCTION
```

```
#define CFQ_ATTR(name) \  
@@ -2196,6 +2198,7 @@ static struct elv_fs_entry cfq_attrs[] =  
    CFQ_ATTR(slice_async),  
    CFQ_ATTR(slice_async_rq),  
    CFQ_ATTR(slice_idle),  
+ CFQ_ATTR(cgrp_slice),  
    __ATTR_NULL  
};
```
